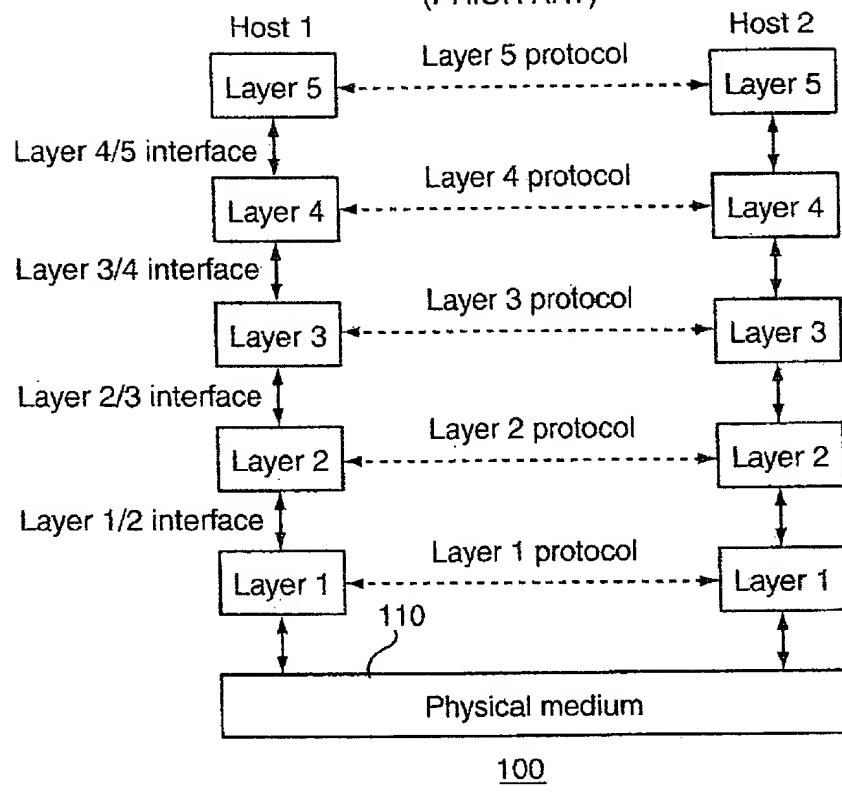


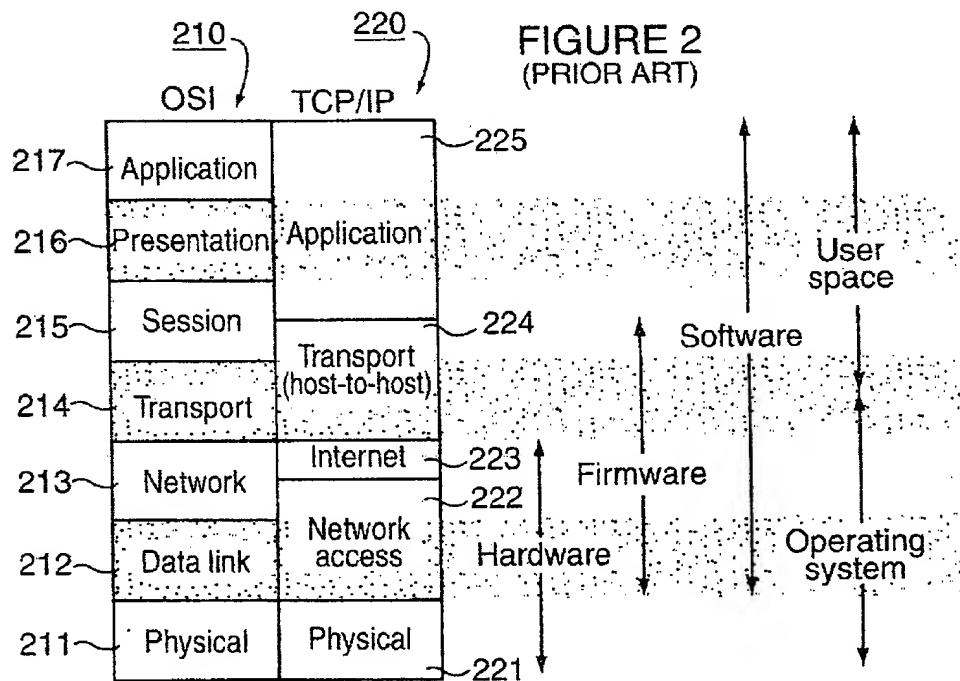


**FIGURE 1**  
(PRIOR ART)

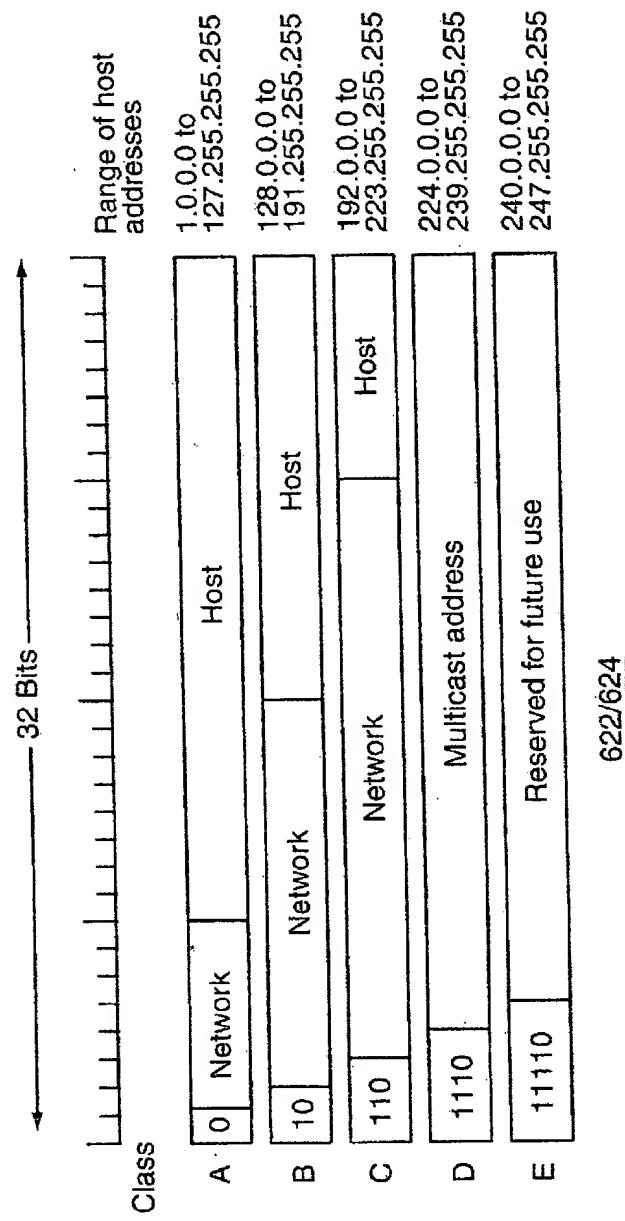


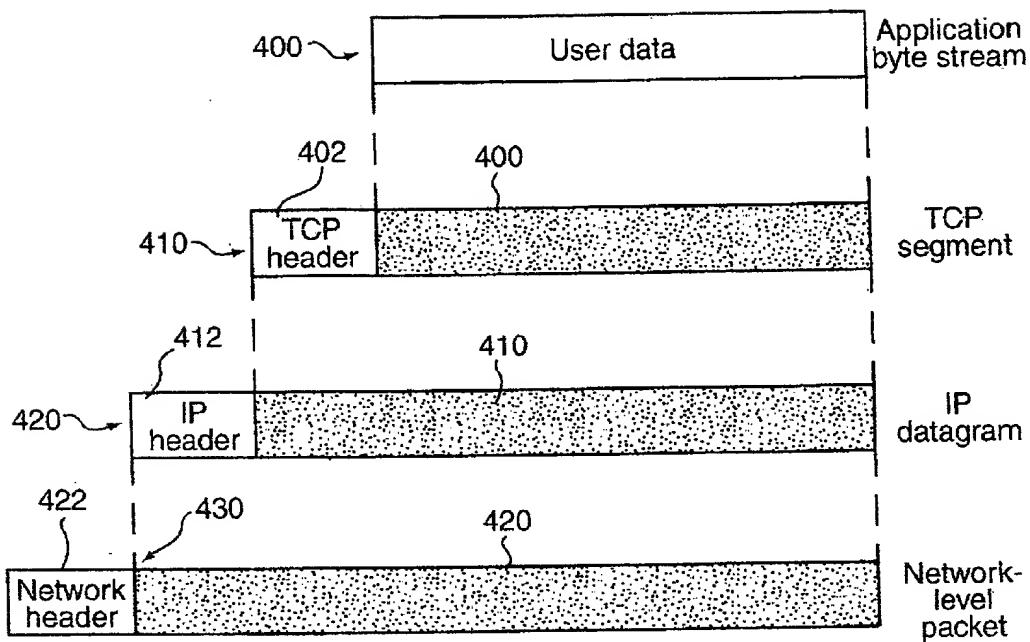
100

**FIGURE 2**  
(PRIOR ART)

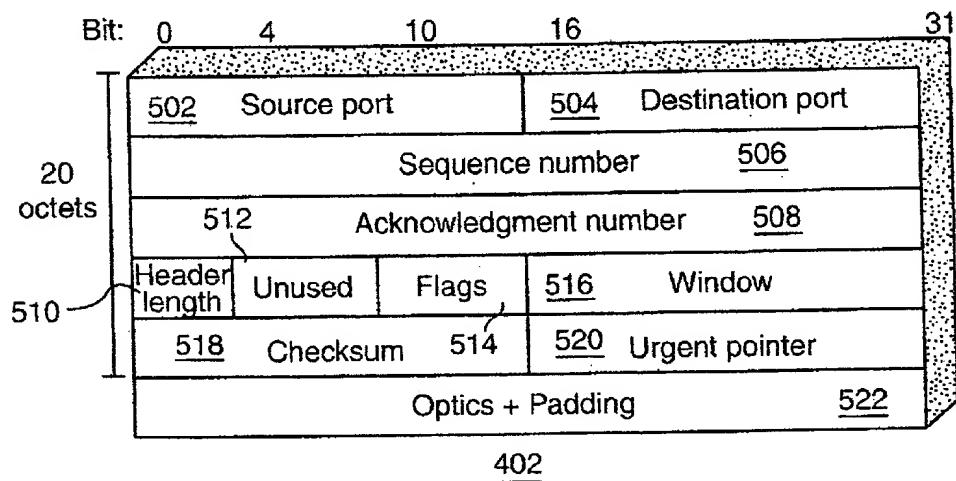


**FIGURE 3**  
(PRIOR ART)

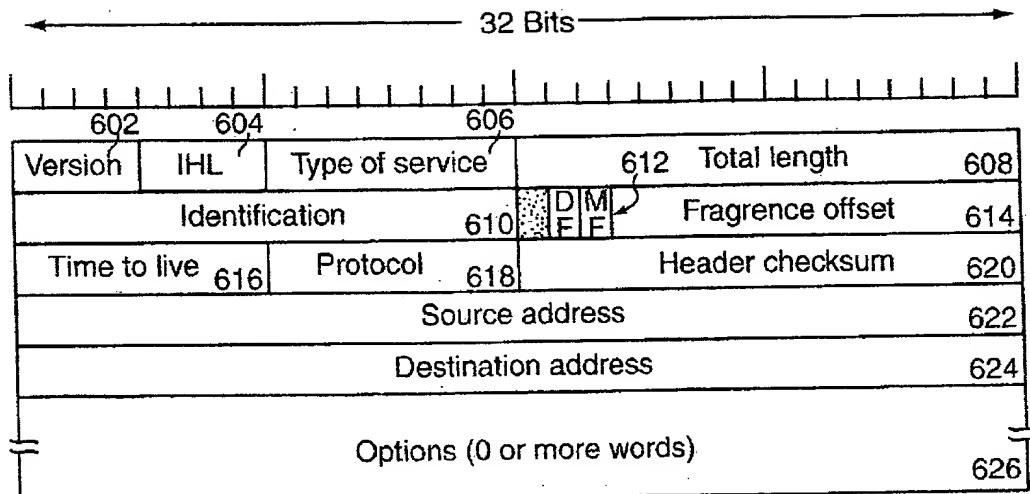




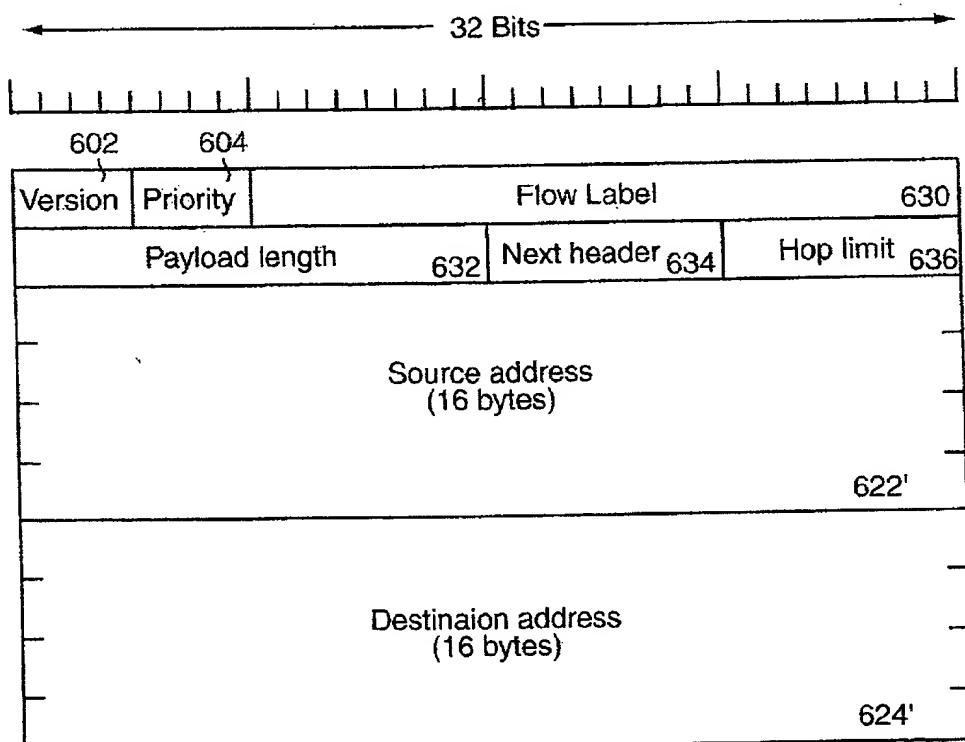
**FIGURE 4**  
(PRIOR ART)



**FIGURE 5**  
(PRIOR ART)



**FIGURE 6A**  
(PRIOR ART)



**FIGURE 6B**  
(PRIOR ART)

FIGURE 7

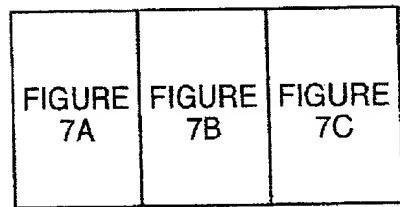
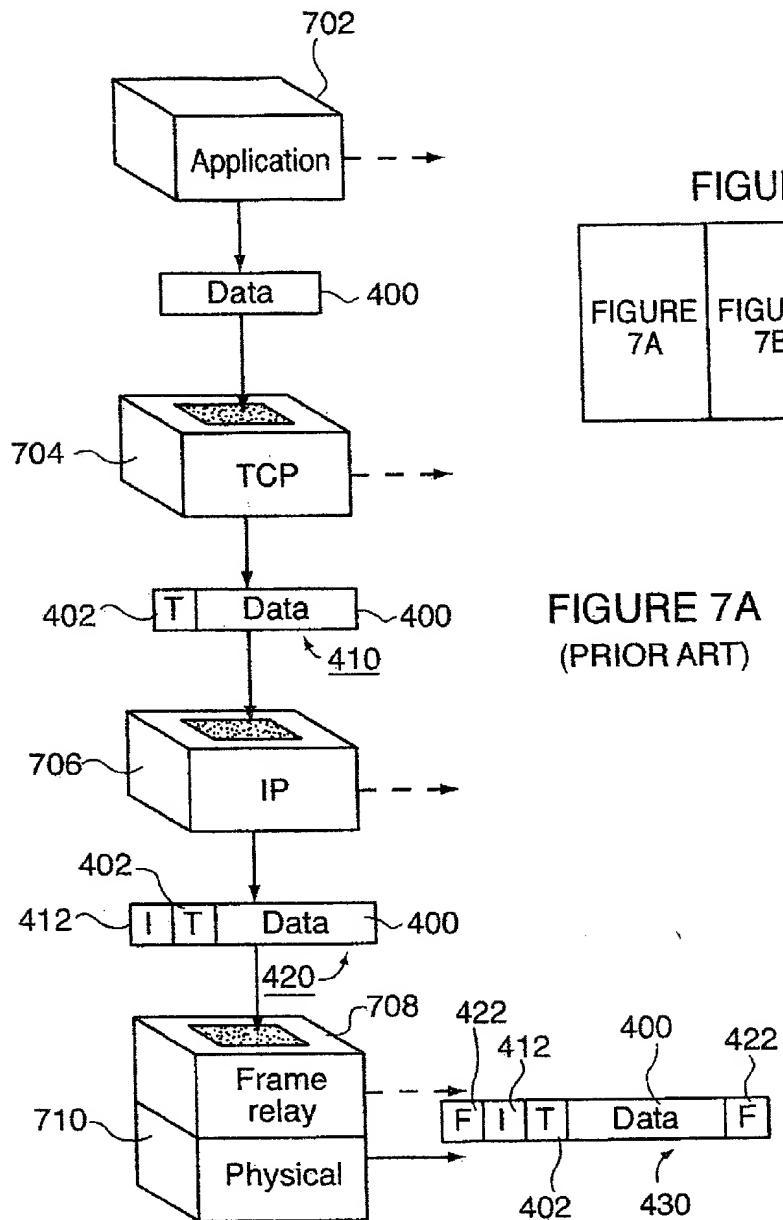


FIGURE 7A  
(PRIOR ART)



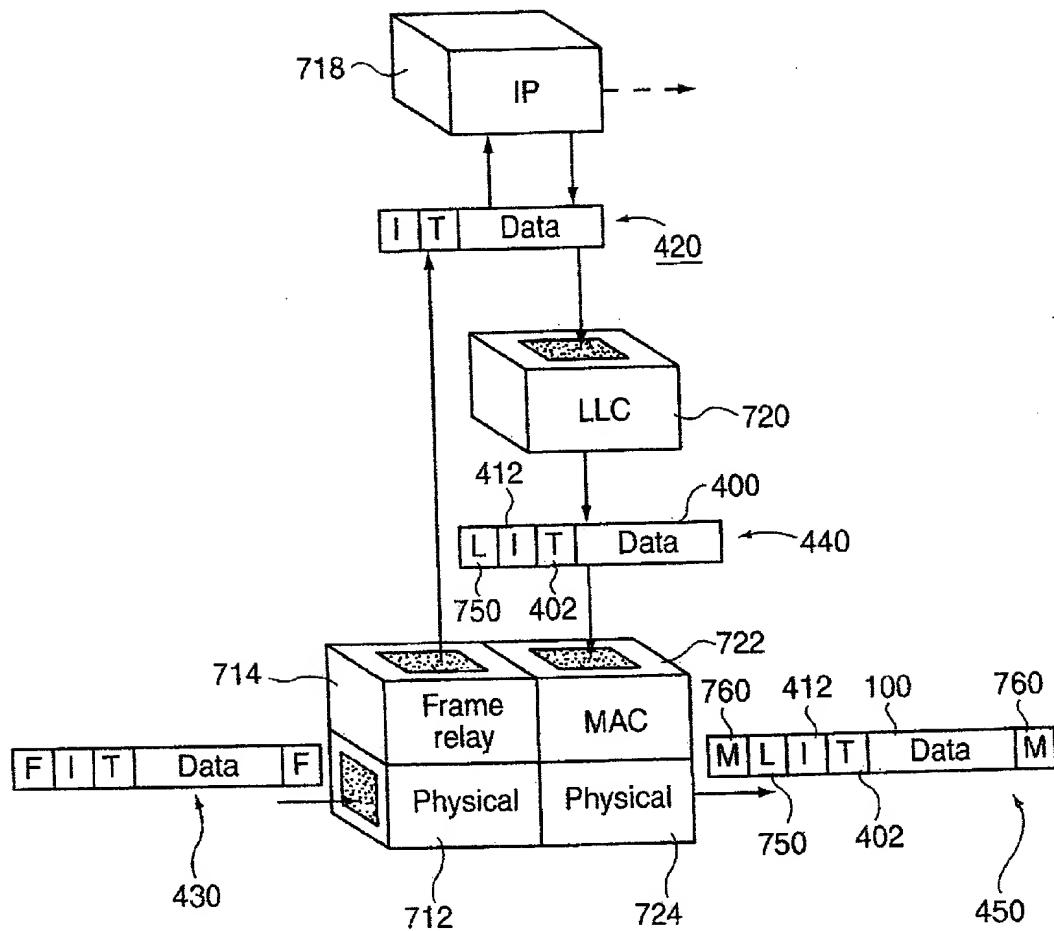
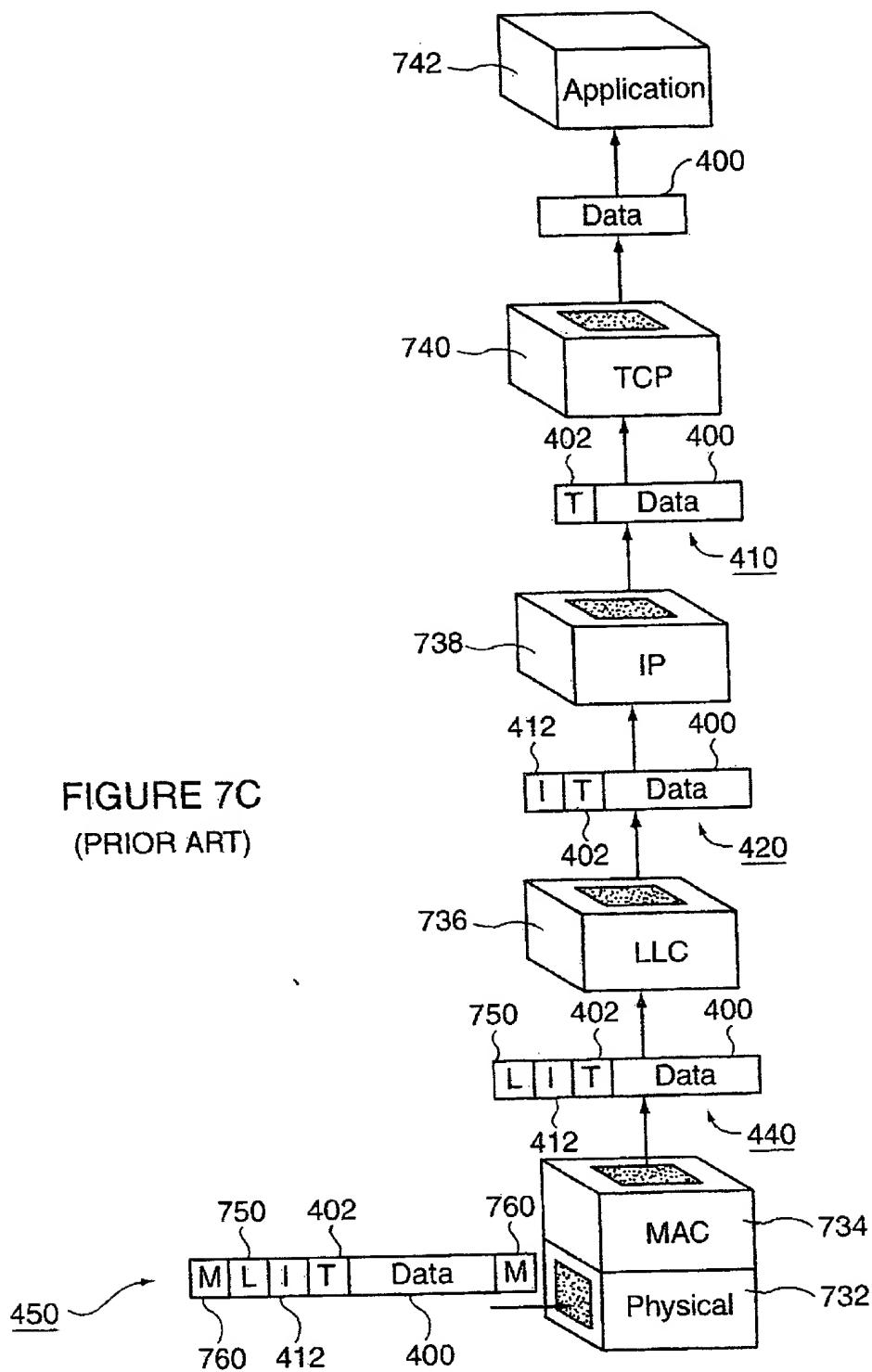


FIGURE 7B



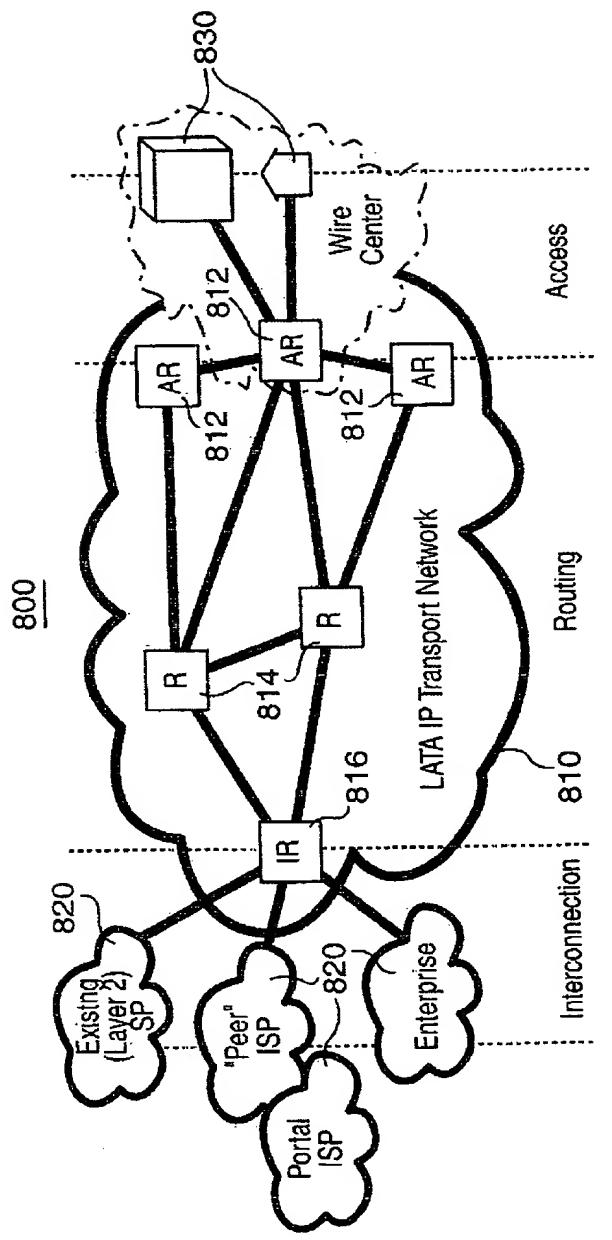


FIGURE 8

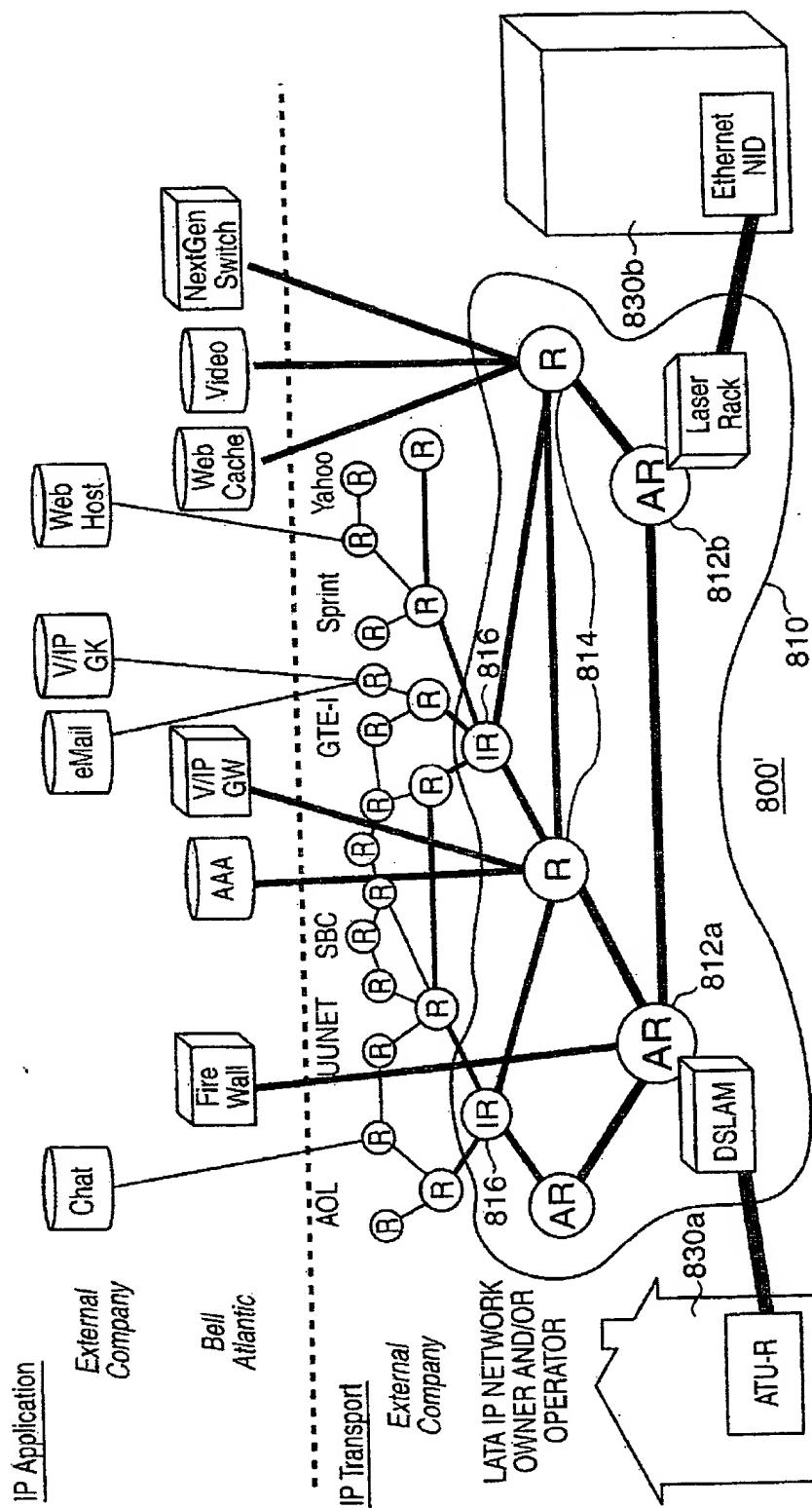
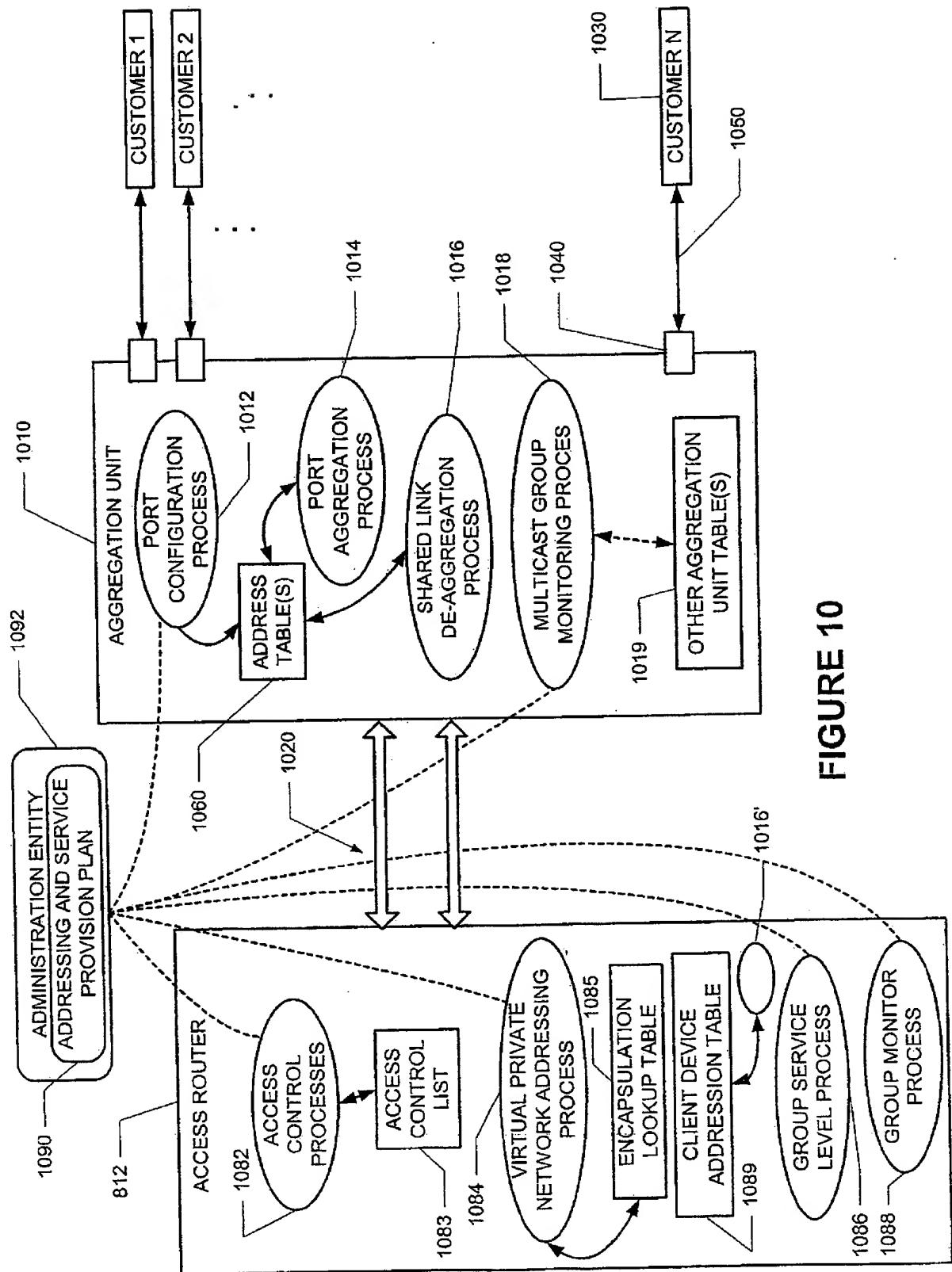
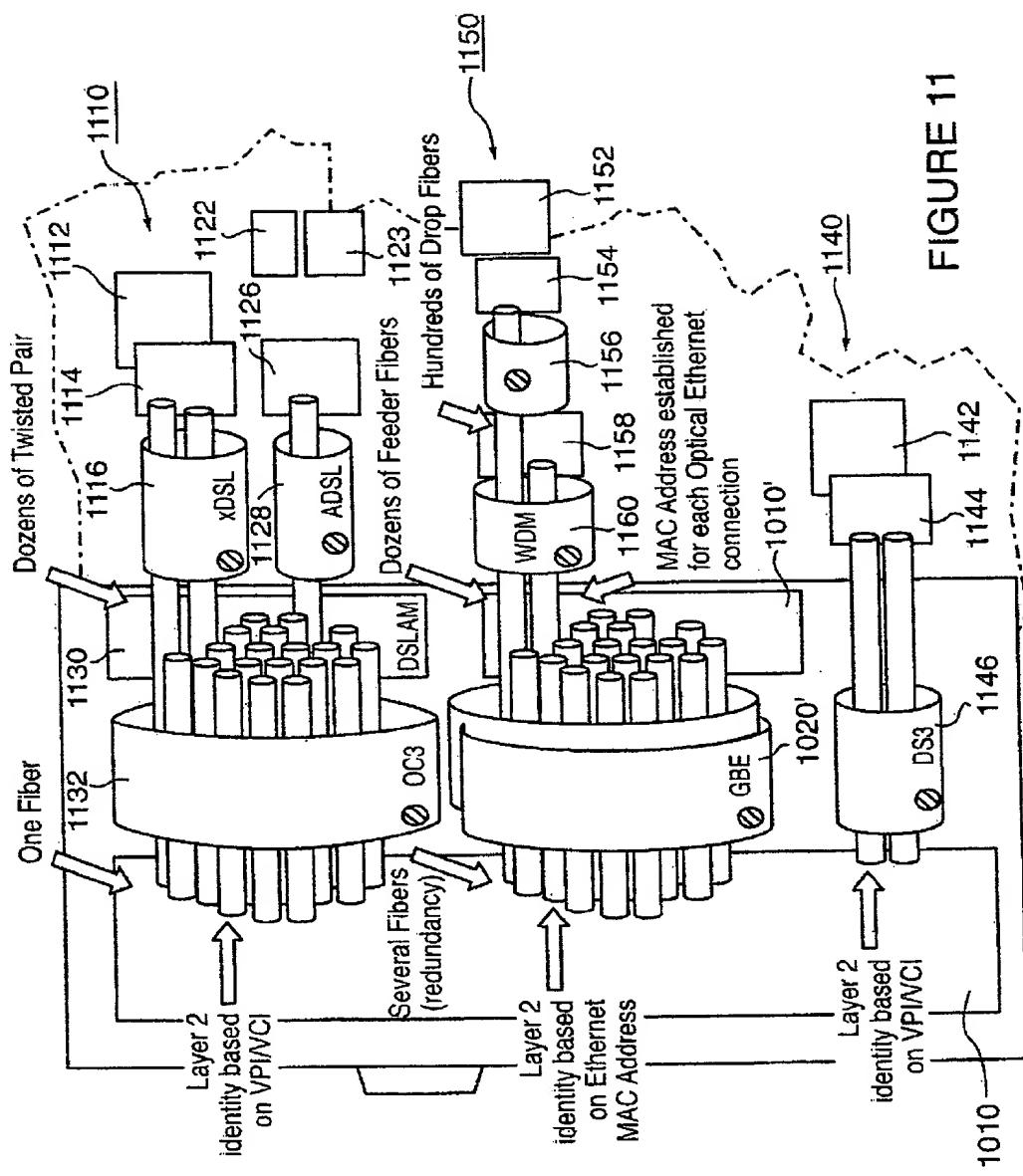


FIGURE 9

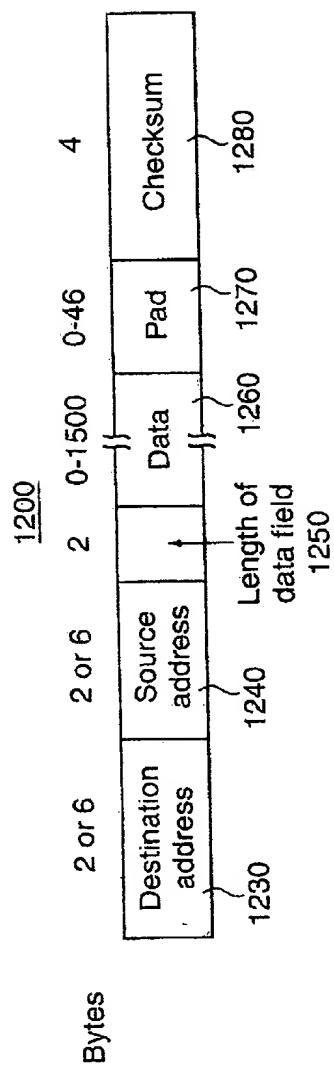


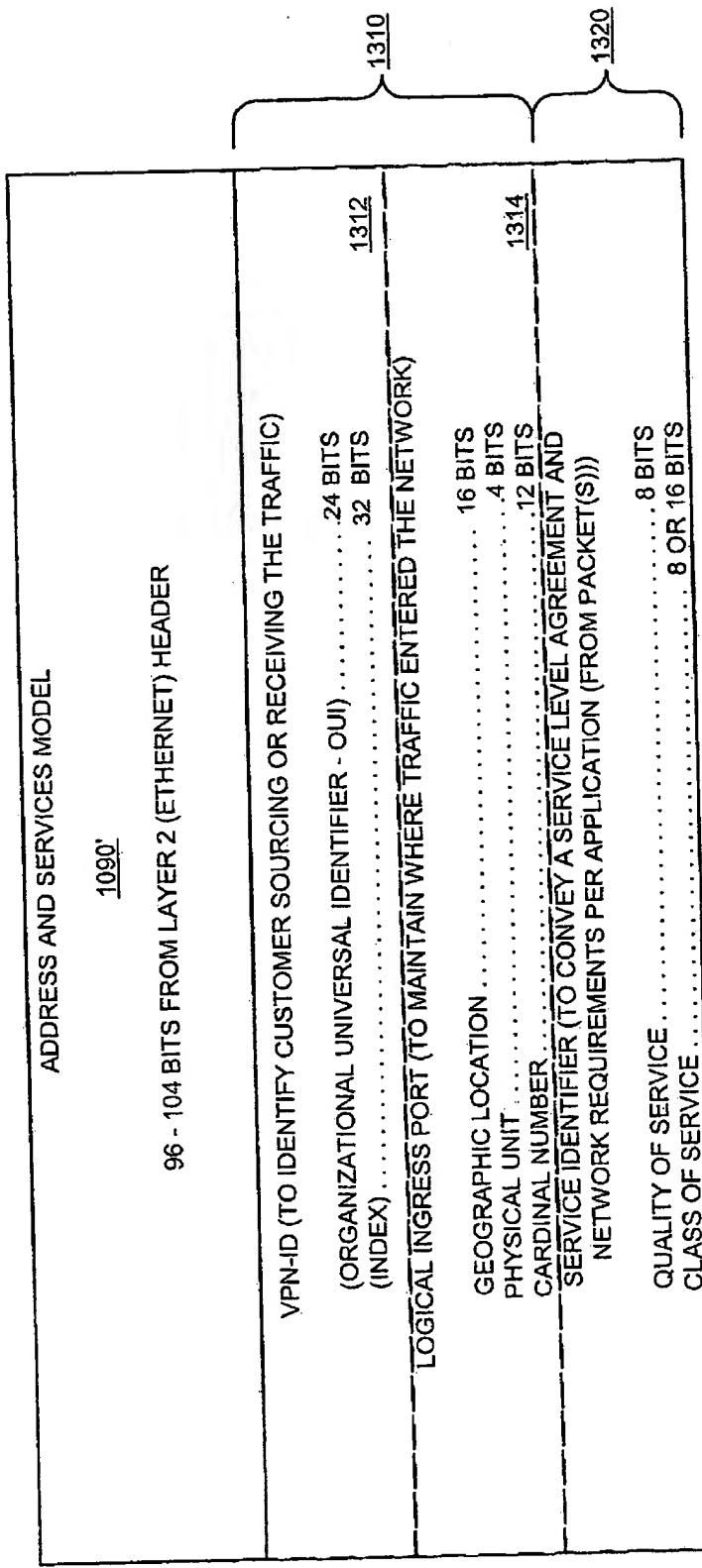
**FIGURE 10**



**FIGURE 11**

FIGURE 12





**FIGURE 13**

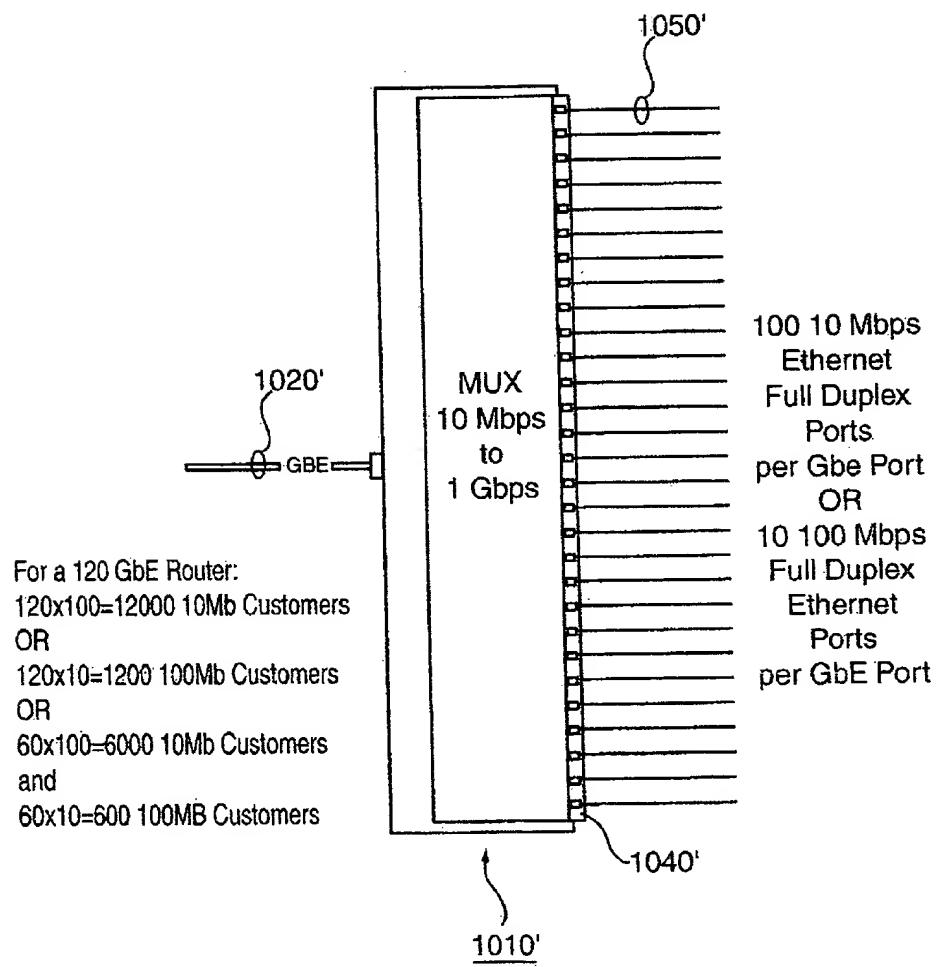
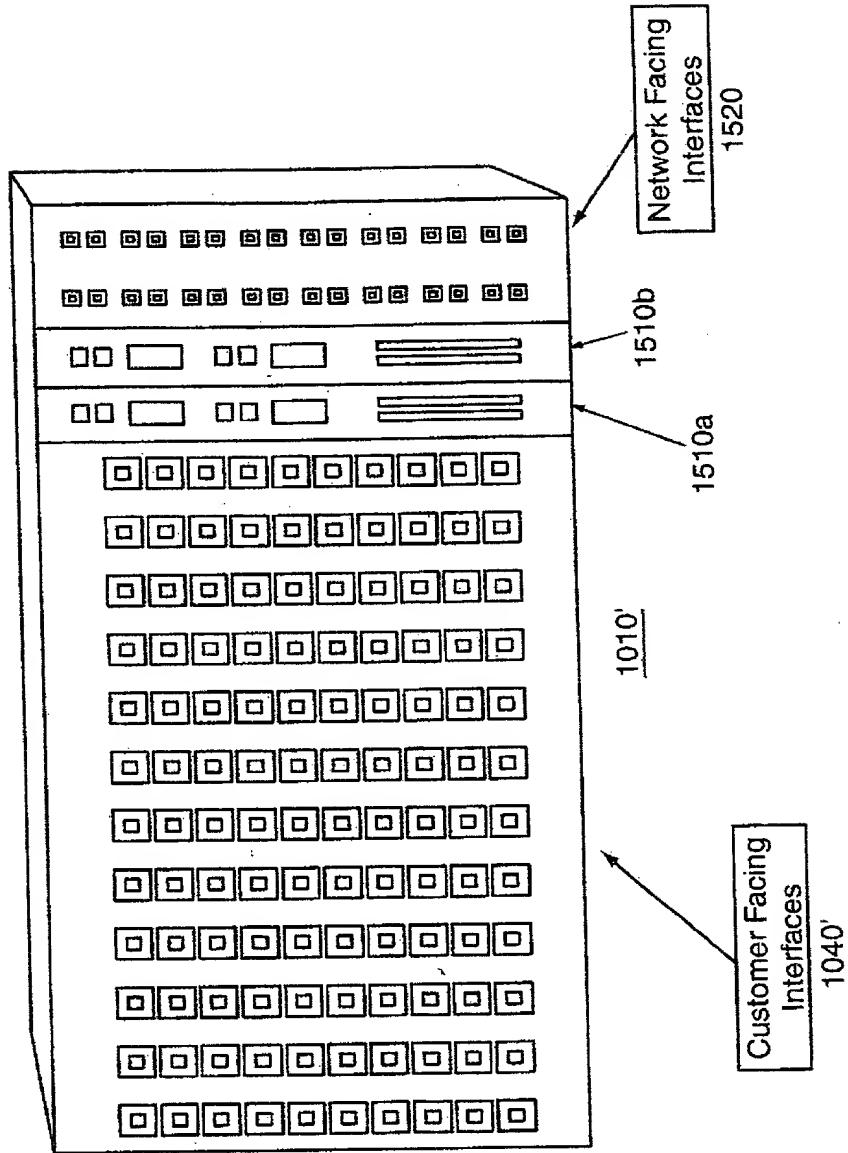


FIGURE 14

FIGURE 15



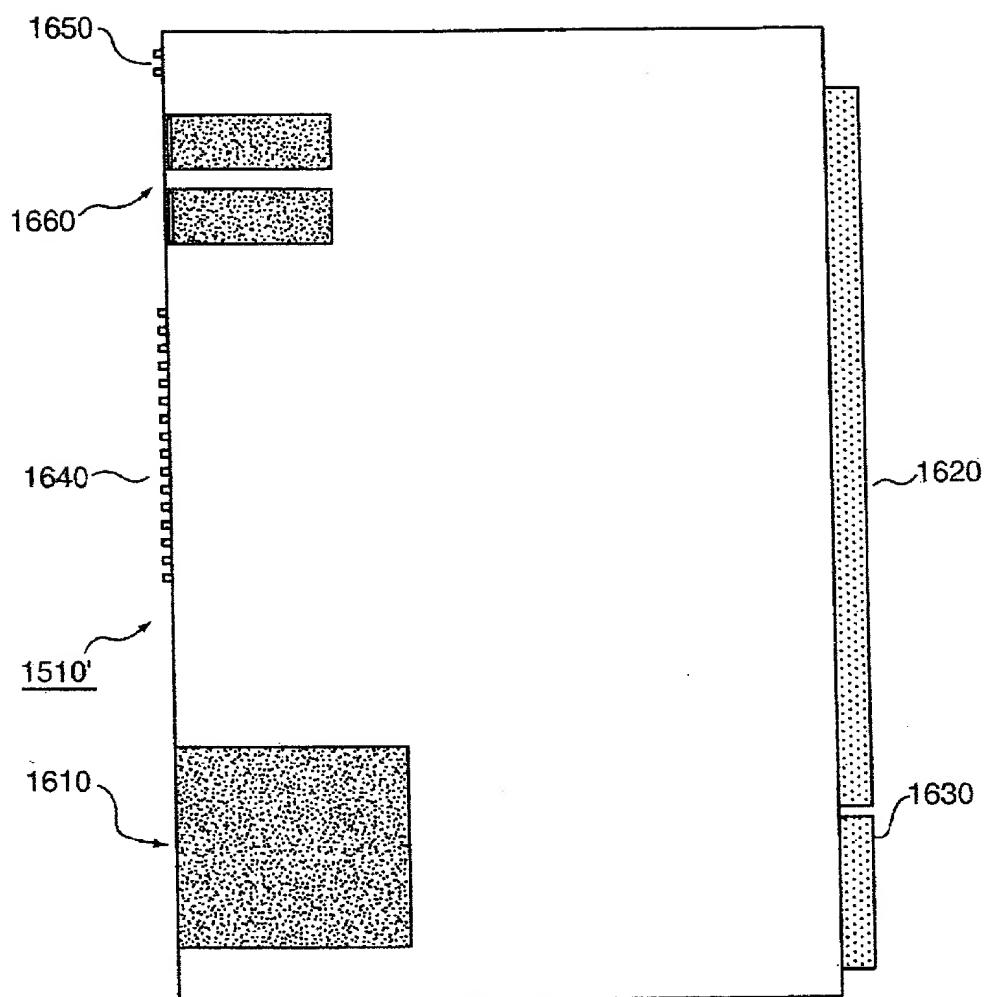
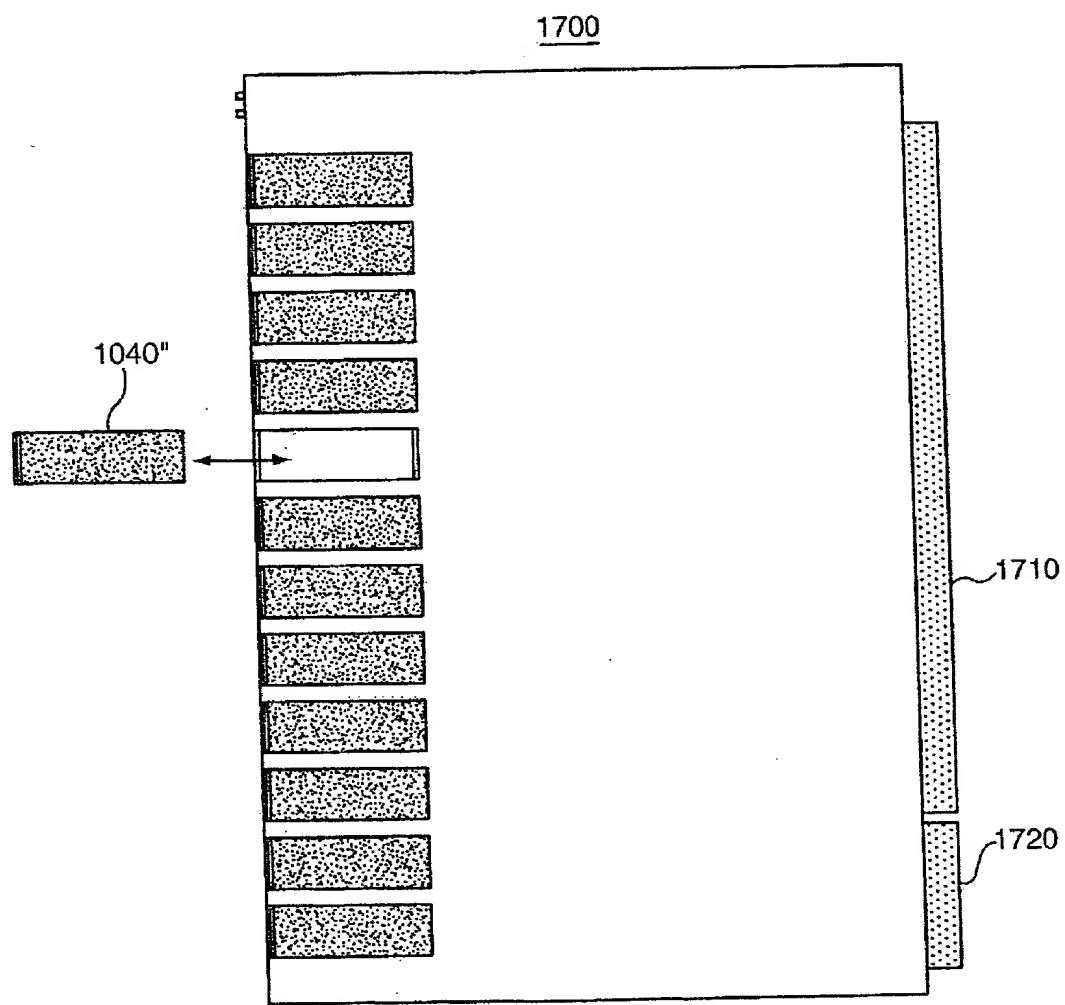


FIGURE 16



**FIGURE 17**

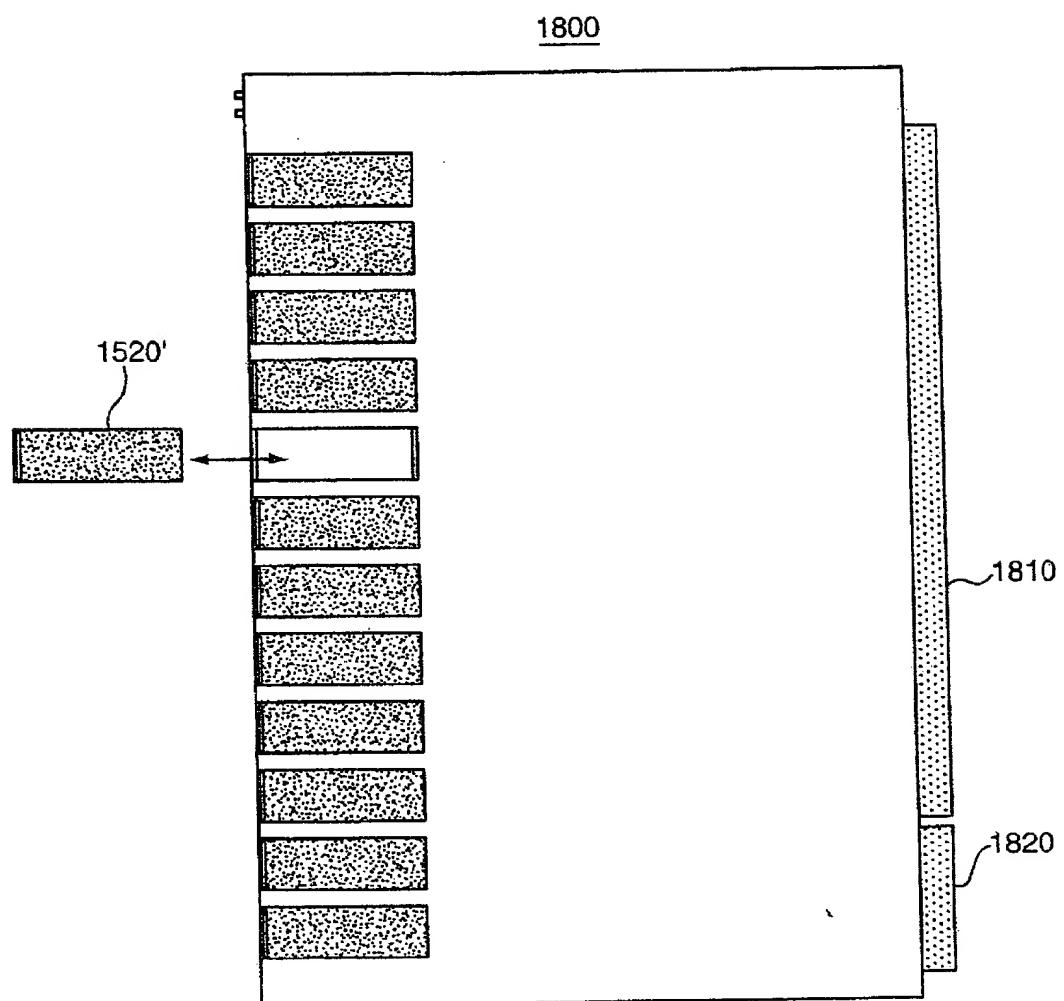


FIGURE 18

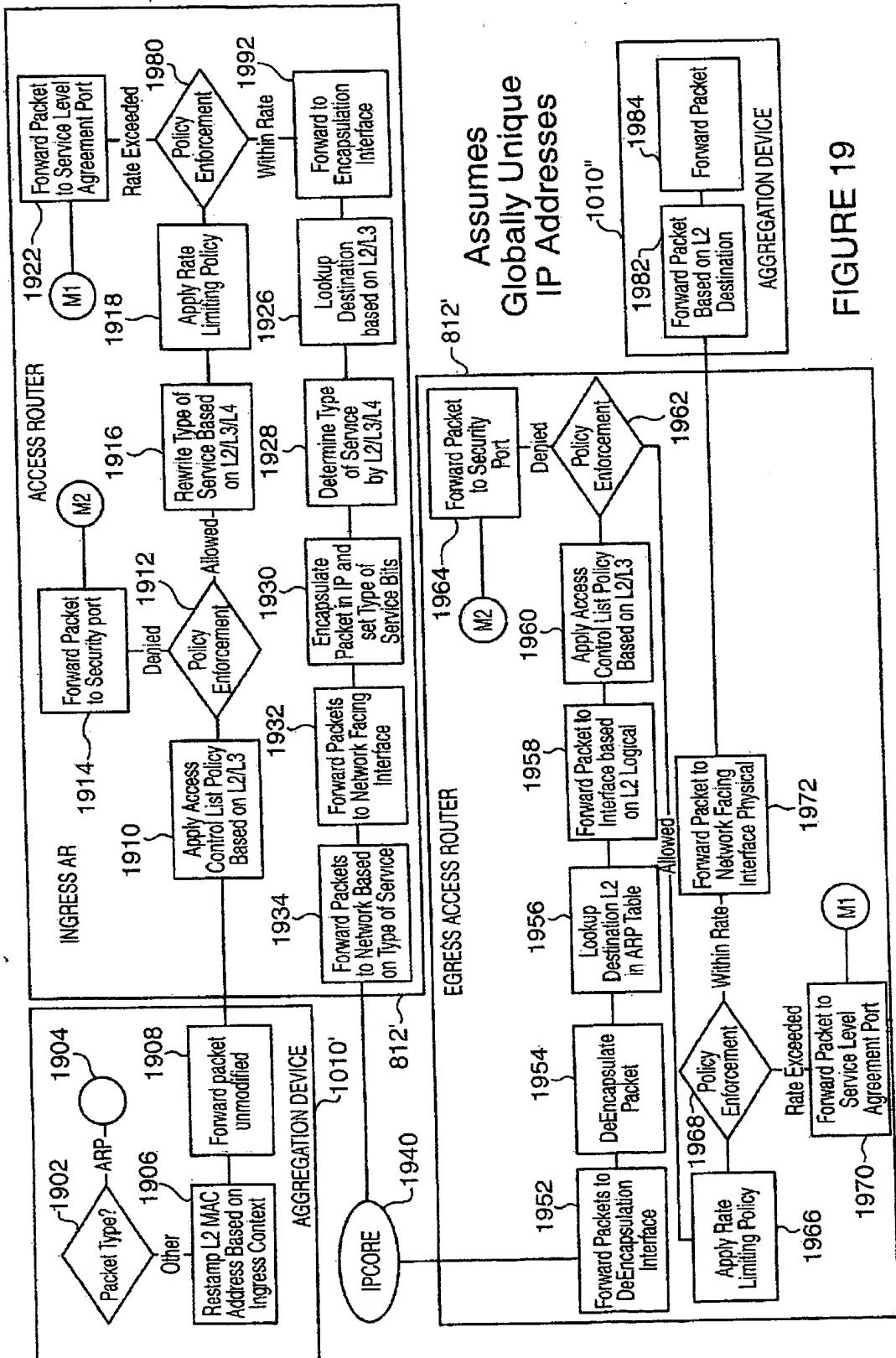
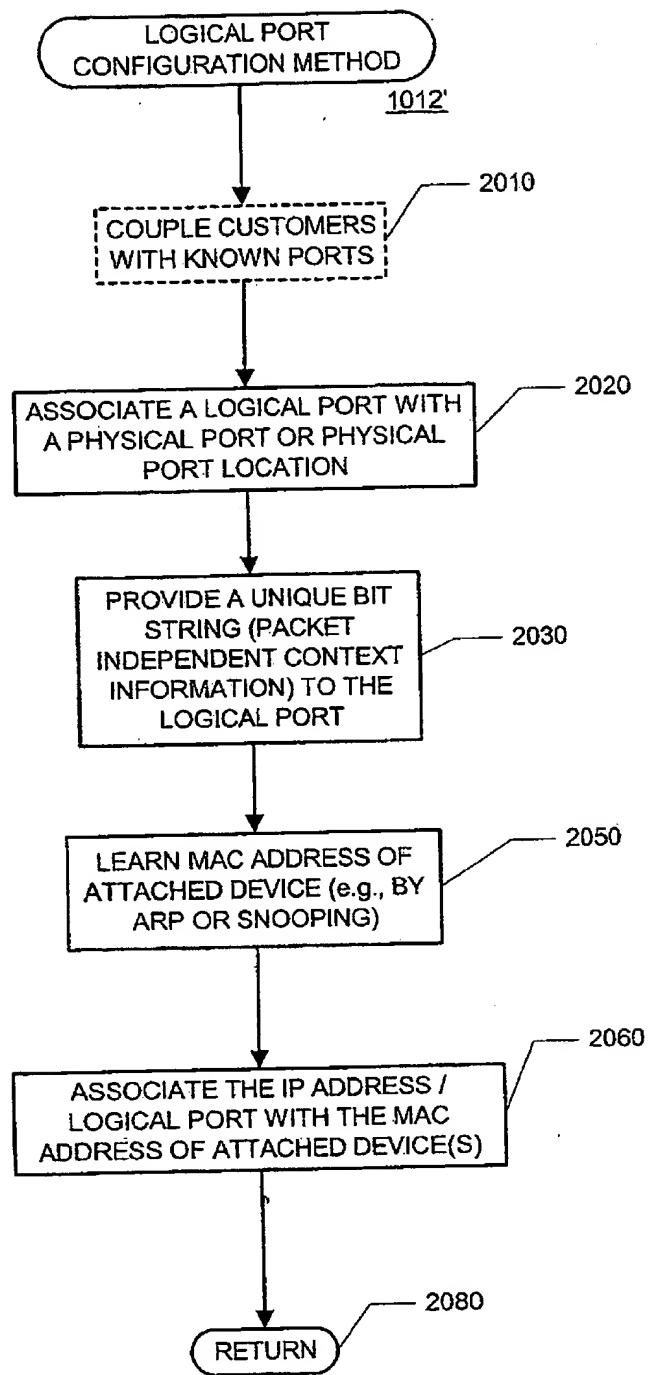
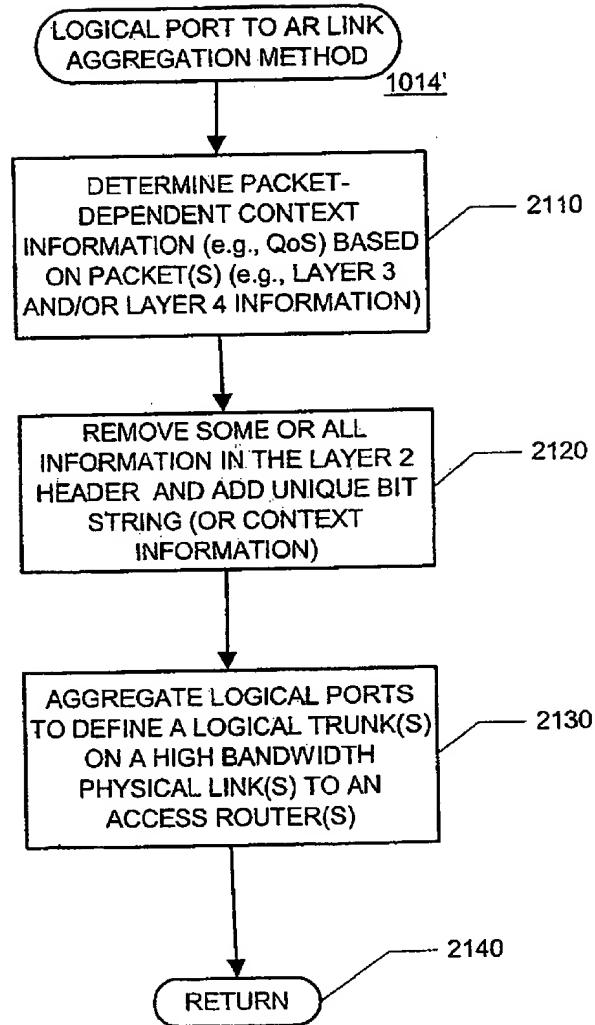


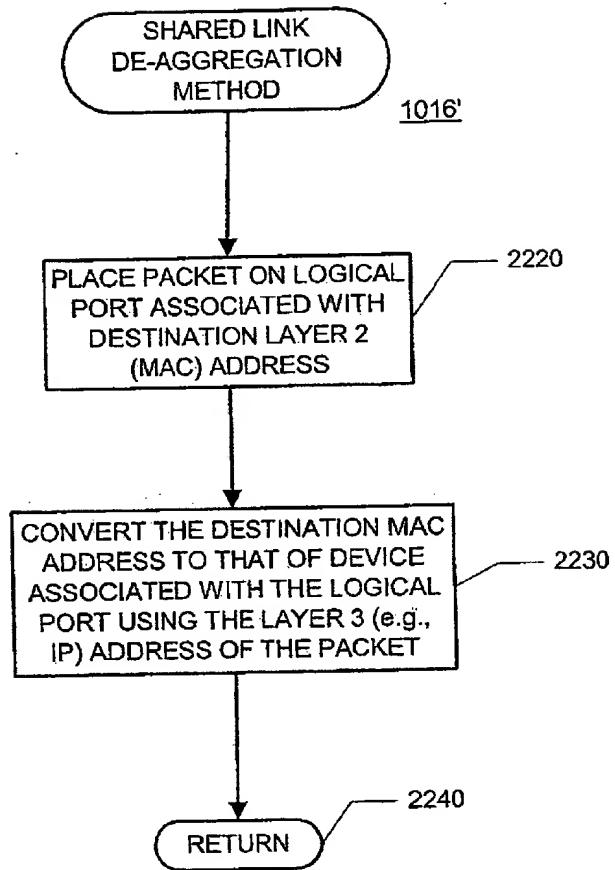
FIGURE 19



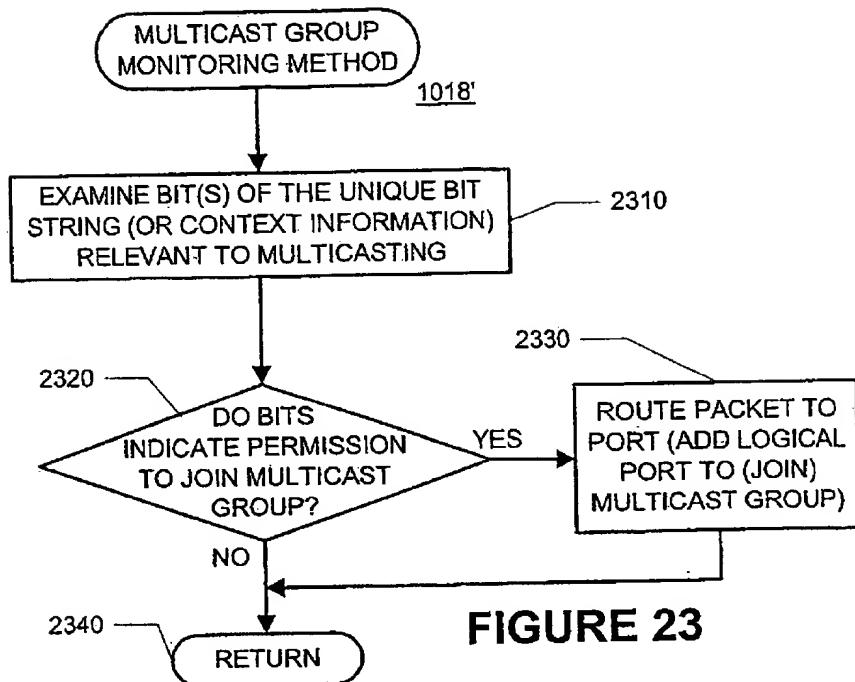
**FIGURE 20**



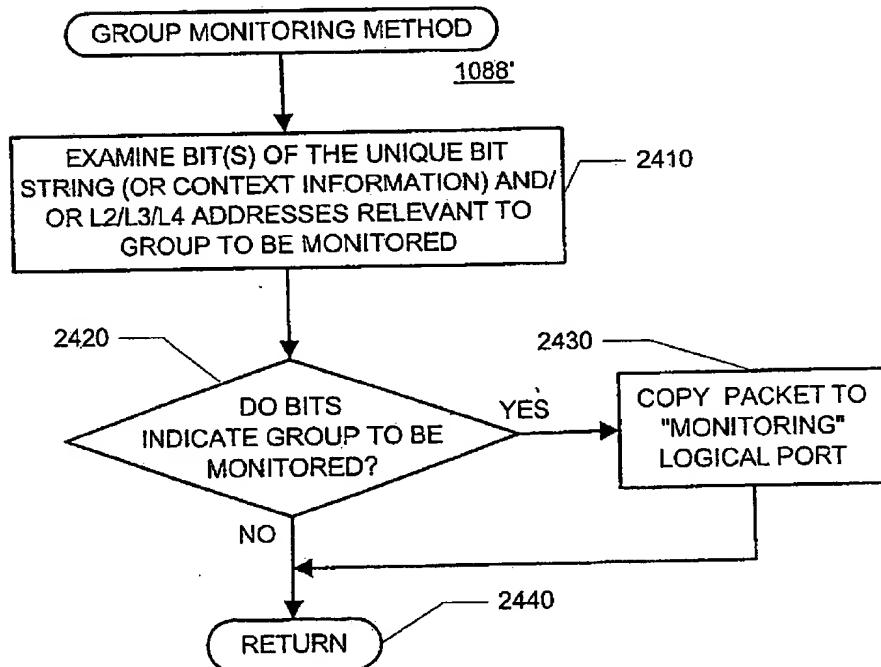
**FIGURE 21**



**FIGURE 22**



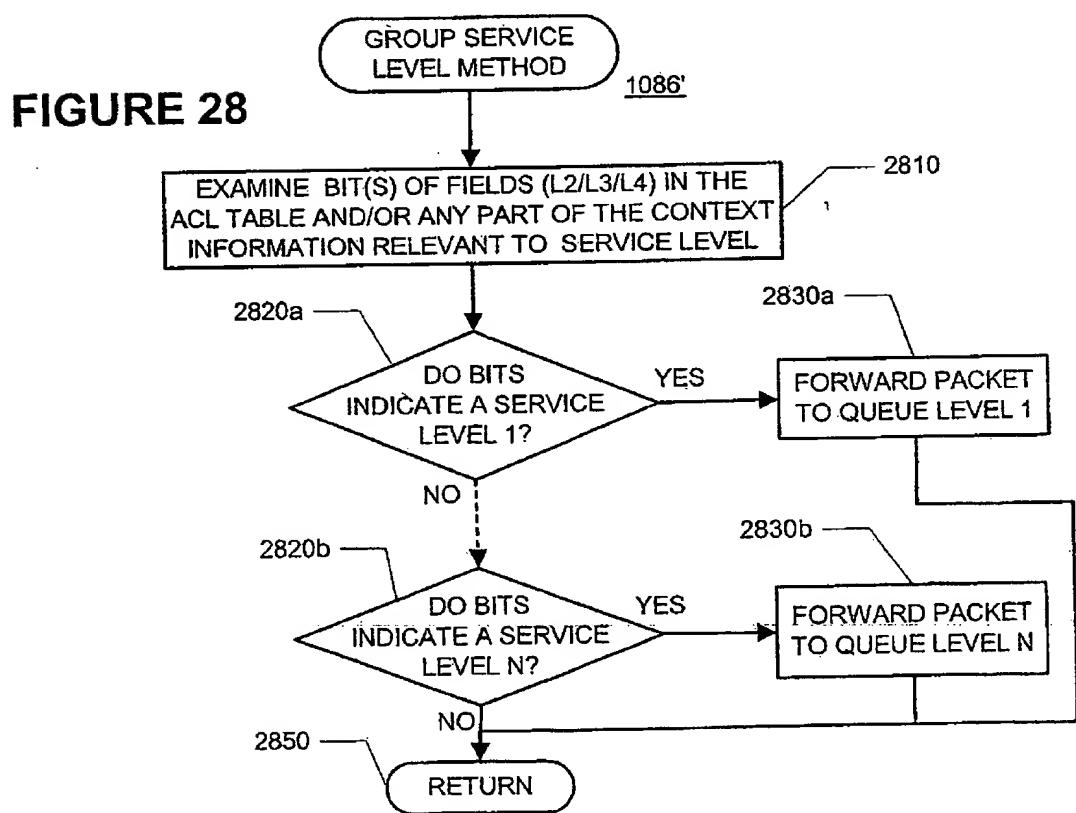
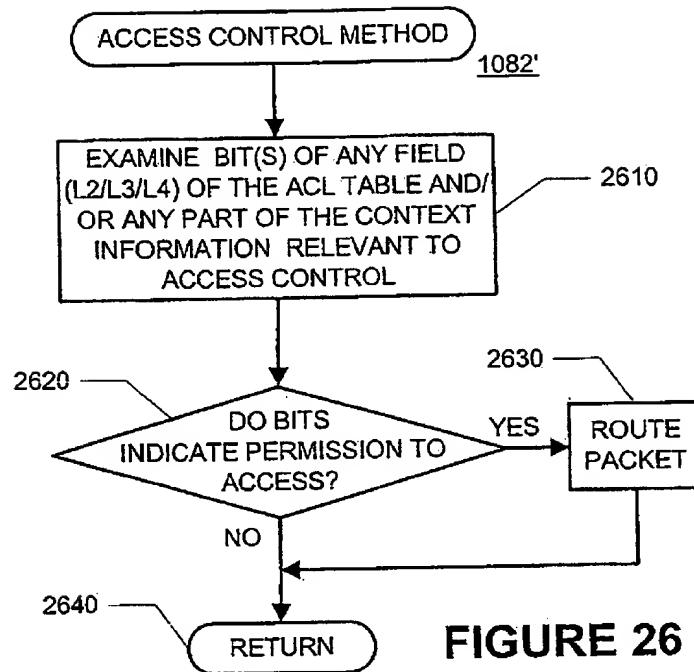
**FIGURE 23**



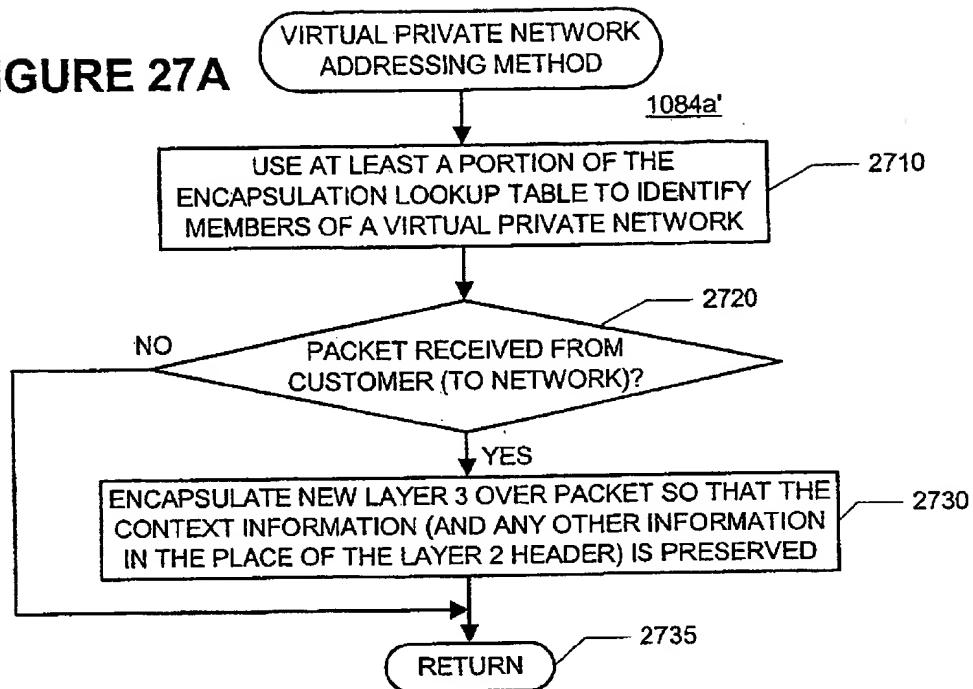
**FIGURE 24**

| Layer 2/3 Access Control                        |   |   |  |
|---|---|---|--|
|   |   |   |  |
| 2510  | 2520  | 2530  | 2540   |
| Context<br>(3225, 3230, 3235, 3240, 3245, 3250) | L3 Source Address<br>(3205)                                     | L3 Destination Address<br>(3215)                                  | Action   |
| BA Services                                     | ANY<br>ANY<br>ANY   | Service Package #11<br>Service Package #12<br>Service Package #13 | DENY<br>DENY<br>DENY                                     |
| VRPN No Internet Access                         | 100.100.100.0/24<br>100.100.100.0/24<br>100.100.100.0/24<br>ANY | 100.100.101.0/24<br>200.200.201.0/24<br>205.205.205.0/24<br>ANY   | PERMIT<br>PERMIT<br>PERMIT<br>DENY                       |
| VRPN With Internet Access                       | Context B<br>Context B<br>Context B                             | 150.000.100.0/24<br>150.000.100.0/24<br>150.000.100.0/24          | 150.100.200.0/24<br>150.100.210.0/24<br>150.100.220.0/24 |
| VRPN Internet Access                            | Context B   | 900.900.900.0/24  | ANY  |
| Internet Access                                 | Context C   | BA Address Space  | PERMIT   |
| Default Deny                                    | ANY   | ANY   | DENY   |

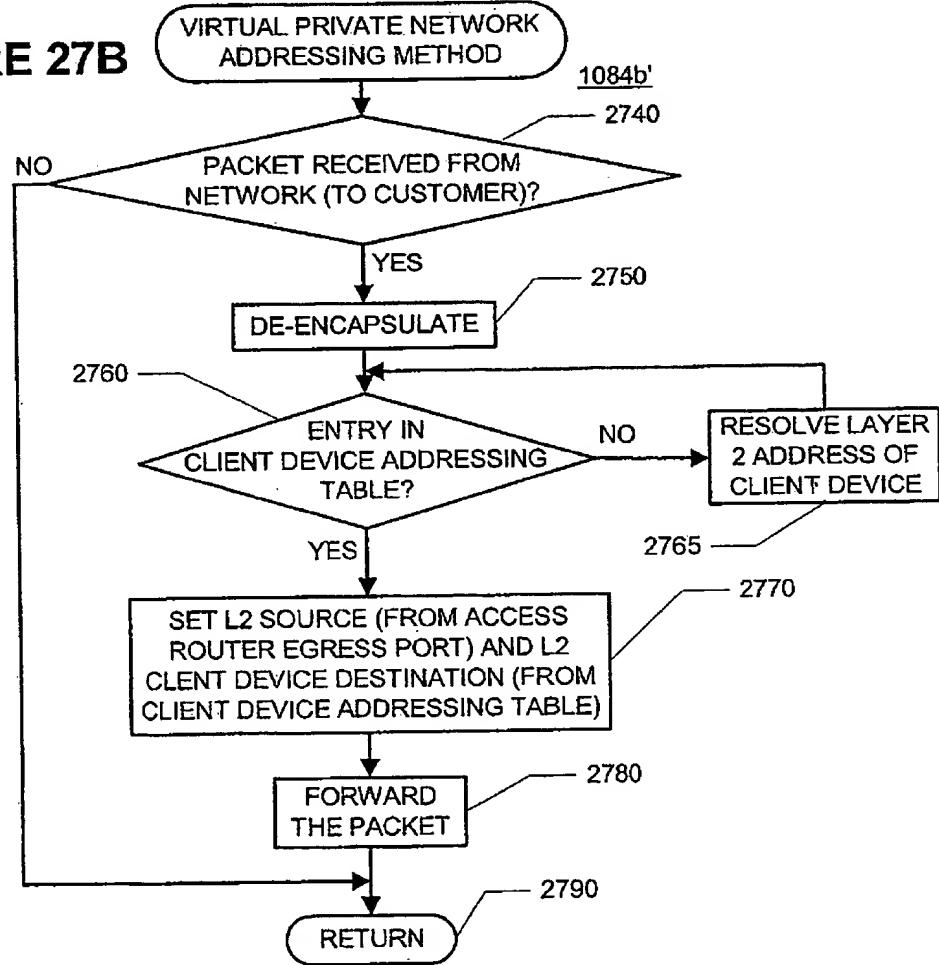
**FIGURE 25**



**FIGURE 27A**



**FIGURE 27B**



| LOGICAL PORT | VPN-OUI | VPN-INDEX | CUSTOMER - ID | SERVICE LEVEL | MULTICAST ACL GROUP | QoS PROFILE | VPI | VCI | PVC | ETHERNET PORT |
|--------------|---------|-----------|---------------|---------------|---------------------|-------------|-----|-----|-----|---------------|
| .            | .       | .         | .             | .             | .                   | .           | .   | .   | .   | .             |
| .            | .       | .         | .             | .             | .                   | .           | .   | .   | .   | .             |
| .            | .       | .         | .             | .             | .                   | .           | .   | .   | .   | .             |

**FIGURE 29**  
1060'

| LOGICAL PORT | AGG MAC ADDRESS | IP ADDRESS | SUBNET MASK | CLIENT MAC ADDRESS |
|--------------|-----------------|------------|-------------|--------------------|
| .            | .               | .          | .           | .                  |
| .            | .               | .          | .           | .                  |
| .            | .               | .          | .           | .                  |

**FIGURE 30**  
1060"

| MULTICAST ACL GROUP | MULTICAST ADDRESS | SUBNET MASK | VPN-OUI | VPN-INDEX |
|---------------------|-------------------|-------------|---------|-----------|
| .                   | .                 | .           | .       | .         |
| .                   | .                 | .           | .       | .         |
| .                   | .                 | .           | .       | .         |

**FIGURE 31**  
1018'

